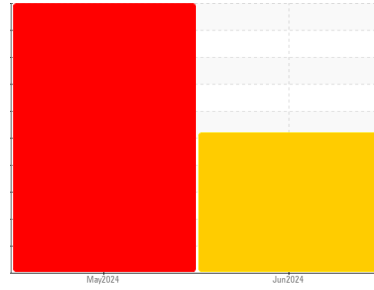




COOLANT REPORT

Sample Rating Trend



OFF SPEC



Area
Generate Upcycle - 888091
 Machine Id
RB012-R
 Component
Coolant
 Fluid
HYBRID (HOAT) COOLANT (--- GAL)

DIAGNOSIS

▲ Recommendation

This is a baseline read-out on the submitted sample.

▲ Coolant Condition

Percentage Glycol levels are severely low. Freezing Point levels are severely low. Specific Gravity levels are abnormally low.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		E30002428	E30002320	---
Sample Date	Client Info		18 Jun 2024	30 May 2024	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			SEVERE	SEVERE	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		UNK	UNK	---
Specific Gravity	ASTM D1298*		▲ 1.038	▲ 1.038	---
pH	Scale 0-14	ASTM D1287*	7.83	8.18	---
Nitrites	ppm	Alcan Test Kit*	520	760	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	3.1	3.2	---
Percentage Glycol	%	ASTM D3321*	▲ 28.8	▲ 28.5	---
Freezing Point	°C	ASTM D3321*	▲ -14	▲ -14	---
Carboxylate			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	30	34	---
Phosphorus	ppm	ASTM D5185(m)	8	47	---
Boron	ppm	ASTM D5185(m)	163	147	---
Molybdenum	ppm	ASTM D5185(m)	109	109	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >15	<1	1	---
Aluminum	ppm	ASTM D5185(m) >10	1	<1	---
Copper	ppm	ASTM D5185(m) >10	<1	2	---
Lead	ppm	ASTM D5185(m) >10	0	0	---
Tin	ppm	ASTM D5185(m) >10	0	0	---
Silver	ppm	ASTM D5185(m) >10	0	<1	---
Zinc	ppm	ASTM D5185(m)	1	2	---

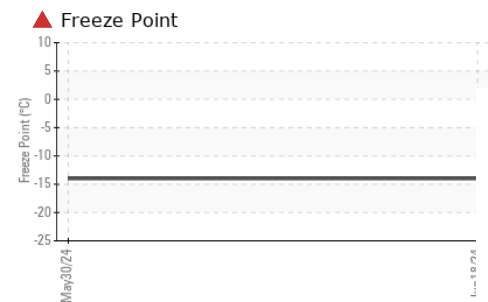
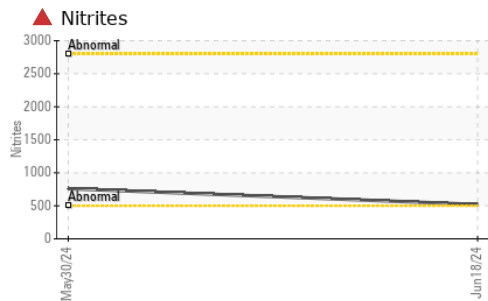
CARRIER SALTS

	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	1795	1797	---
Potassium	ppm	ASTM D5185(m)	638	729	---

SCALE POTENTIAL

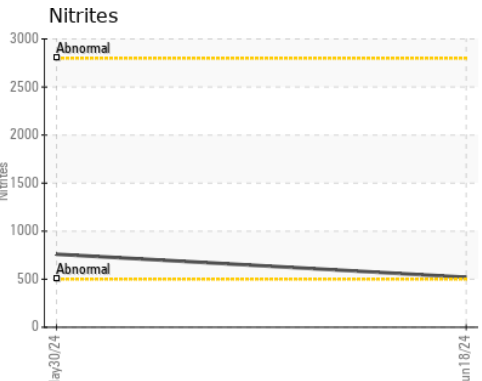
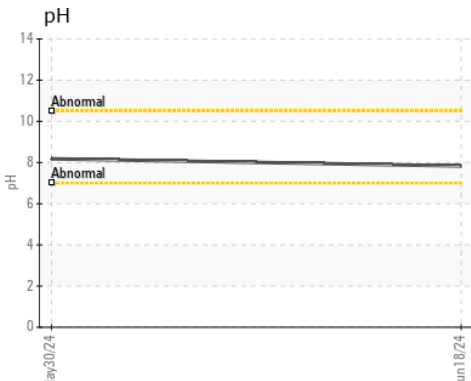
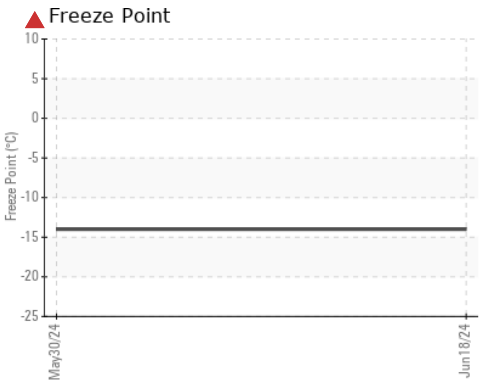
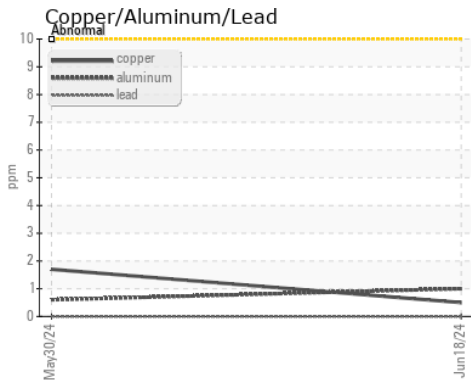
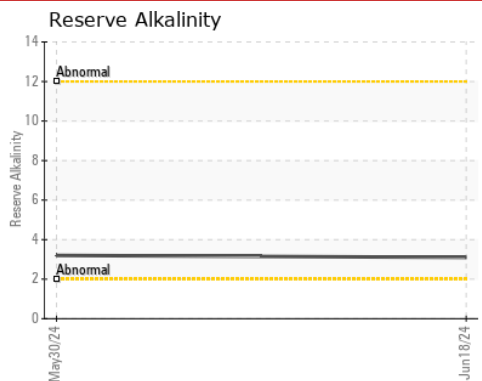
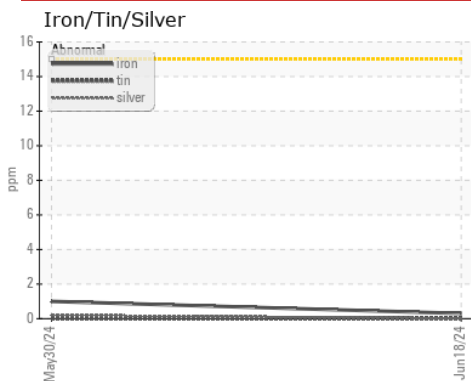
	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m) >100	13	21	---
Magnesium	ppm	ASTM D5185(m) >40	4	6	---
Hardness	mg/L CaCO3	In-house* <75	47	▲ 75	---

COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*		Red	Pink	---
Coolant Appearance	Visual*	Clear	Clear	Clear	---
Color					no image
Bottom					no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30002428
Lab Number : **02643281**
Unique Number : 5800820
Test Package : COOL (Additional Tests: GlycolType)

Environmental 360 Solutions Ltd.
 640 Victoria Street
 Cobourg, ON
 CA K9A 5H5
 Contact: Tatiana Sorkina
 tsorkina@e360s.ca
 T: (800)263-3939
 F: (905)373-4950

Received : 20 Jun 2024
 Tested : 21 Jun 2024
 Diagnosed : 21 Jun 2024 - Kevin Marson

To discuss this sample report, contact Customer Service at 1-905-372-2251.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.